First Authentic Survey of Fire Causes Ever carelessness par excellence, as every ment of the characteristic national cause, whether internal or external. These fires, of course, share the de-Delaware, Missouri, New Mexico OUR Made Shows Definitely That a Large Part centage fall below 1.0 per cent. It table come under the heading of cause, and in addition to this are Spontaneous Combustion of the Loss in the United States Is Wholly Preventable and Most of It Could Be Eliminated by Observing Simple Precautions-Cost of the Ubiquitous Match, Cigarette traceable to matches, and these little chargeable with greater damage have known a fire which spread be-estimated that this figure is 50 per and Rubbish Heap.

By WILBUR E. MALLALIEU | difficult. It is probably nearer to General Manager National Board of the truth to regard the percentage

carelessness. Carelessness appears calls for diligent measures of proso tragically in the news columns tection. The combination of defecthrough its toll of dead and injured tive chimneys and shingle roofs is that this fact has somewhat over- one of the most dangerous known shadowed its purely economic values, to our civilization. most inconceivable. Rarely, however, of size, are fireworks, firecrackers, has this been illustrated so spe- etc. This cause is a good example the first time made public through years since the Fourth of July in the actuarial bureau of the Nation- the North and Christmas in the al Board of Fire Underwriters. South were regarded with dread by quarters of a million dollars. sessing the finest fire-fighting equip- communities, which are substituting spite of our superior fire depart- hardship to the feelings of Young ments, the per capita fire loss of the America involved in this change, it United States is many times as large is certainly productive of saving in Dangers That Lurk as that of most foreign countries.

Results of an Extensive Survey

this lack that the National Board This is a remarkable improvement smallest loss. of Fire Underwriters, after much over former years, and yet its total The value of "clean up" days on took the gigantic work of analyzing able. nearly all of the 500,000 or more fires which annually occur in the The Toll United States in order to tabulate of Gas

figures teach.

Defective chimneys Fireworks, crackers, etc. Gas, natural and artificial.

Hot ashes and coals ignition of hot grease, oil, tar, wax, asphalt, etc.

Open lights... Petroleum and its products.... Rubbish and litter. Smoking (cigars, cigarettes, pipes,

Stoves, furnaces, 7,942,080 or 5,2 per cent of damage.

\$32,720,239 or 21.4 Some Strange PARTLY PREVENTABLE CAUSES Geographical Variations Miscellaneous, cause

UNKNOWN

Fire Causes

Steam and hot

Strictly Preventable

noted that defective chimneys and to natural features. flues, the third of the known causes For the most part the states show preventable causes. Idaho seems to chargeable with 4.1 per cent. Fires the states are below 1.0 per cent. of this nature are more frequent in winter than in summer, and, therefore, should logically show a larger Source of Fires

CONOMISTS are wont to call struction, thorough inspection and attention to the constant careful occupancy. In almost every financial loss due to American state this loss is far too great, and

life and property, not to speak of sundry fingers and toes, and a num- in Kerosene

such extraordinary labor 714 is hardly a large one, although largely preventable. Indeed, the gas is a commodity. There are cause. word "Preventable" stands out over fewer open gas flames to-day than any consideration as being the first was the case in former years, and The Case Against and most important lesson that the popular education has progressed the Smoker somewhat, but there is still room for

> Amount. Per cent. a million dollars. \$9,061,298 or 5.9 Fires started from hot ashes and 260,520 or 0.2 coals are principally due to the carelessness of the householder. They 937,714 or 0.6 are generally the result of putting 632,486 or 0.4 bot ashes containing live coals into hot ashes containing live coals into the Southern states show some dam-440,963 or 0.3 the Southern states show some dam-116,906 or 0.1 4,329,596 or 2.8 age from this bad habit. Wyoming, cent, has the highest percentage per cent in Nevada, or nearly one figure, although Minnesota, with dollar in every five of the state's toof property consumed. By a strange population of any American state, 4,505,963 or 3.0 coincidence, Idaho, adjoining Wyo-297.011 or 0.2 ming upon the north, has the most favorable record, and shows but .1

6.196,229 or 4.0 shows losses of structure, and 4.598,125 or 3.1 with its large oil interests, suffered nearly one-quarter of this entire fire loss. 2.0 amount, the figure being \$103,876, It may be a surprise to some to or 2.1 per cent. It is another strange find steam and hot water pipes figur-1,857,972 or 1.2 coincidence that Oklahoma, with its ing as a cause of fires, and yet insur-5,463,822 or 3.5 very large oil interests, suffered to ance men have reason to so regard \$58,148,339 or 37.9 at 4.9 per cent, this figure being year's loss from this cause was \$95,-62,363,298 or 40.7 too small to recognize upon a per- 605. The percentages run from 0.5 Grand total ... \$153,231.876 or 40.7 centage basis of one decimal place, per cent in the case of New York to New York's loss of \$74,170, or .4 0.0 per cent in several of the states. per cent, is chargeable rather to the Of all known fire causes that em-

in point of size, show a strange vari- little damage from hot or molten be the worst offender in the matter ation from 1.6 per cent in the Dis- metal, and a few of them have none of defective heaters, with 15.4 per trict of Columbia to 24.7 per cent at all. The total, however, reaches cent, and South Dakota, with 11.8 in New Mexico. Thus, in the Dis- the sizable figure of \$116,906. For per cent, is second. New York again trict of Columbia, this cause was some reason, Maine has the largest takes the lead with total losses of most negligible, while in New Mexico figure, with \$22,080, with Massa- \$869,475, and Illinois is a close secit was responsible for nearly one- chusetts and Indiana next, each hav- ond, with \$799,566. No state comes quarter of the total fire loss. In the ing something over \$19,000 of loss, down to a fractional percentage, the State of New York this cause is With the exception of Maine, all of smallest figure being that of Ala-

ment and the most efficient firemen patriotic exercises and wholesome ing the loss was but \$85. On the ing and apparatus. of any country. This national com- sports for the indiscriminate use of other hand, New York had losses of placency is dispelled with an abrupt powder, which was formerly deemed \$230,742 and Massachusetts of \$180,shock when it is learned that, in indispensable. Whatever may be the 529. Massachusetts and Ohio have a New Peril ing 1.9 per cent in each case.

ber of states now show a loss so Under the heading Petroleum and small that it is figured at zero in Its Products, which means, of course, A natural question immediately counting fire costs. It is interesting not only kerosene, but the ubiquitous arises as to the reasons for this to note that the small State of New and dangerous gasolene and other The reasons, of Hampshire tops the list with a loss lesser products, such as lubricants, course, are manifold, but there has of \$59,713, or 4.9 per cent, from Delaware shows the largest percentbeen a growing suspicion for years this cause. The next state in point age of loss, with 4.5 per cent, and on the part of those who have studied of percentage is Arizona, with only South Dakota, with 2.7 per cent, the subject that most of the reasons .5 per cent, and the other states comes next, although New York has are far from being excuses. Exact range downward. In thirty-one of the largest physical loss, its total beknowledge, however, has been lackthe forty-eight states the percenting \$234,633. Of all the states Alagotten by their users until they have lightning proves that all fires are not doubted that a substantial proporing heretofore, and it is because of age does not rise above .1 per cent. bama, with 0.3 per cent, has the

discussion with the National Con- of \$260,520 fire loss for the United the part of the citizens and the perivention of Insurance Commission- States is still too large by that ex- odical inspection by uniformed fireers, and the Fire Marshals' Asso- act figure, since every dollar of it men under the direction of the Chief ciation of North America, under- may be classed as strictly prevent- of the Fire Department in our more progressive cities as an aid to fire prevention may be appreciated from 14.2 per cent. This, however, is ex- to discover that the State of Okla- ance for sub-standard fire departthe fact that total losses of \$618,-259 are attributable to rubbish and United States in order to tabulate of Cas 259 are attributable to rubbish and was so caused, and by Montana, with cause, a fact which is doubtless example of Cas 259 are attributable to rubbish and was so caused, and by Montana, with cause, a fact which is doubtless example of Cas 259 are attributable to rubbish and was so caused, and by Montana, with cause, a fact which is doubtless example of Cas 259 are attributable to rubbish and was so caused, and by Montana, with cause, a fact which is doubtless example of Cas 259 are attributable to rubbish and was so caused, and by Montana, with cause, a fact which is doubtless example of Cas 259 are attributable to rubbish and was so caused. The cause are the cause and there are the cause at th and interpret the information descent to deside the considering the universality with litter. This gosper would seem to deside the frequency with which gas is used, the total of \$937,- be most necessary in the District of these steamship com the considering the universality with litter. This gosper would seem to deside the frequency with which gas is used, the total of \$937,- be most necessary in the District of these steamship com the considering the universality with litter. This gosper would seem to deside the frequency with which gas is used, the total of \$937,- be most necessary in the District of these steamship com the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with litter. This gosper would seem to deside the considering the universality with the considering the universality with the considering the consid that the figures for 1915 are only the best authorities consider that centage of 10.6 per cent is recorded, of 1.1 per cent, a figure that is not lightning. As against this the states and disregard the simplest precau-future; she will be the stage for a is giving the subsidy of something. now available. The following table under proper conditions it might all as against no recorded fires from approached by any other state. The presence of one careless great international competition very like \$1,800,000 a year. The thing is shows the classification by causes. be eliminated. The worst offender this cause in Arizona. Illinois' losses loss of New York is \$933,413, or 4.7 the District of Columbia are rated individual in a community imperils soon. This is the opportune moment absurd. It is more than absurd to In order to facilitate a study of the from this cause is West Virginia, were the largest in property contable these causes have been sub- with 3 per cent, and Utah, with but sumed, being \$80,899, after which divided into those which are ad- \$10 loss for the entire year, makes come Massachusetts, \$53,507; Ore- recent explosions is, of course, not per cent. judged to be Strictly Preventable, the most favorable showing. Most gon, \$51,893, and New York, \$44,609, and those which are Unknown, but than 1 per cent, the largest figures ing to note that only five states ex-

STRICTLY PREVENTABLE CAUSES Improvement to the extent of nearly resent the charge that they are not safest in this regard. "good citizens," but the burden of total fire loss of \$4,505,963, attributable to their carelessness. Only wooden barrels or boxes. And even one state falls below 1.0 per cent kansas, with 0.7 per cent. On the other hand, the figure rises to 18.0 standard another tenant in the same building. 5.4 per cent, records an even larger 1915... est state in point of territory should be the second in proportion of fire loss from smoking, Rhode Island's figure being 11.0 per cent. Idaho comes next, with 10.5 per cent, while New York, as is perhaps natural in 

the extent of but \$884, and is rated them. In New York State alone the

size of its population and the extent bracing stoves, furnaces, boilers and Analyzing more closely, it may be of its manufacturing interests than their pipes ranks fourth, and it is next to the largest of the strictly

bama, 2.4 per cent. All of the above are ranked as Strictly Preventable Causes, some being due to habits of direct careproportion in Northern states than With matches we come upon a real lessness on the part of the public in those of the South, but Vermont, fire cause of large proportions, and and others to a lack of the prelimiwith 6.6 per cent, and Alabama, New York State alone suffered a loss nary inspection which would reveal with 6.8 per cent, are so nearly of \$867,728 from their misuse. This the danger point. Taken in the agequal as to make this hypothesis is a case of unadulterated public gregate, they form a serious indict-

may be interpolated that these fig- Partly Preventable, the degree of largely affected by such questions as ures are somewhat misleading, be- preventability varying somewhat fireproof roofing, fireproof construccause many other instances are with local conditions, but appreciably tion, water supply, fire department

their direct cause, are indirectly ity of primary causes, electricity is enna, in Austria, is said never to States in a single year. When it is articles of universal convenience are than any other cause in the table, youd the building in which it origin- cent preventable, it may be assumed used by the average citizen with and of this damage it is undeniable ated is sufficient commentary upon that such an estimate is very congreat disregard for their immense that a large portion is due to care- the subject of preventability in ex- servative. The most frequent cause lessness in use or to lack of inspec- posure fires. There is hardly a small of spontaneous combustion is from Of all of the states, Rhode Island, tion. It is scarcely thirty years town in the United States which can allowing oily rags to be kept in with 8.8 per cent, makes the worst since electricity began to figure match the record of this great city. wooden boxes or in contact with comshowing, after which come Massa- prominently as a fire cause. When chusetts, with 5.4 per cent; Illinois, electric lights first appeared it was largest total again-\$2,861,090, or oil have a great tendency to produce with 4.7 per cent, and New York, supposed by underwriters that they 14.3 per cent of the whole. Its per- flame upon the least opportunity. with 4.3 per cent. Florida is cred- would effect a reduction in the num- centage is exceeded by South Dakota, The public has been warned times ited with but 0.4 per cent, and has, ber of fires through their displace- 28.6 per cent; New Hampshire, 22.6; without number of the danger of therefore, the best apparent record. ment of the known dangers of gas and several others, while the best carelessness in this matter, but oily The largest figure under "Open and kerosene. These optimists, how- record is that of Wyoming, 6.4 per rags are so often found in every Fires" is that of Pennsylvania, \$160,- ever, were speedily disillusioned, cent. 257, with New York, \$95,005, second, since it became evident that electric- It was formerly supposed that building that the proportion of carethese values are of proportions al- though nearly the least of all in point and Georgia, \$53,701, third. From ity brought new and subtle dangers more than 50 per cent of all fires less individuals is able to cause the standpoint of percentage Mis- of its own. Fires from defective were of incendiary origin, and it cansissippi, with 1.7 per cent, is slightly insulation for example often broke not be doubted that the percentage is seem to be the state of the most shead of several other states, while out in places difficult of access in much larger than the figures given careless people from this standpoint, ties on American fire causes now for popular education, for it is but a few The national total is nearly three- universal distribution and its numer- The known total of \$6,196,229, how- figure being \$1,067,224, or 11.3 per ous forms of application it practi- ever, is by no means negligible, and cent. Another New England state, Open lights are directly associated cally has assumed first place as a The National Board of Fire Under- Vermont, is second, with 9.6 per as a species of necessary evil, and a "Safe and Sane Fourth" has been with carelessness in the home, and cause of fire, and this in spite of the writers, in connection with local aucent, while little Delaware does not have prided themselves upon pos- taken up with zeal by hundreds of yet one state—Vermont—reports no great progress in correcting many of thorities, is now engaged in organ- report a single dollar of damage

Electric Irons

ing irons and the want of exercising to this cause, the best showing of the proper care in their use. Under- any state. writers are genuinely alarmed at the Lightning Loss frequency with which it appears that such irons have been left in circuit, Can Be Prevented

Strictly Preventable

State

New Mexico.

Delaware .... Rhode Island ... North Dakota ...

Maine ..... District of Colum

West Virginia.

Inssachusetts

ndiana .

lichigan

New York.

Missouri

Montana

New Jersey.

North Carolina

Geographical Distribution of Fire Losses.

Partly Preventable

Per C. State

43.9 Arizona . 38.0 Nebraska

34.0 Arkansas

32.3 Vermont

28.8 Wisconsin

23.8 Texas :

23.5 Alabama

23.4 Nevada ... 21.7 Connecticut

20.9 Kansas ...

20.8 Minnesota .

8.7 Tennessee

17.0 New York.

4.5 New Jersey

16.2 Idaho

18.4 Pennsylvania

17.8 Rhede Island 

20.7 Georgia

28.6 Montana 27.8 Indiana 26.6 West Virginia 26.5 North Dakota

25.1 Massachusetts

24.0 District of Columb

South Dakota

only eight of the states does the per- The next nine causes cited in the gree of preventability of the primary and Utah are rated at 0.0 per cent. efficiency, and various other elements spontaneous combustion is a myth, ing of Unknown Fire Causes. Cer- With the single exception of "Ex- that are strictly within human con- but there is nothing mythical about tainly most fires, whatever may be posure," which implies a multiplic- trol. The fact that the city of VI- a fire loss of \$5,463,822 in the United

the United States. This despicable Fires from form of crime not only has been a cause of great property loss, but has cost numberless lives. The District No one who recalls the Iroquois of Columbia shows the large percent-Theatre horror can doubt the need age of 17.1 per cent, which is greater for extraordinary care in handling than that reported in any of the this dangerous force, and yet an al- states, but California's 12.2 per cent most new item that is rapidly grow- ranks next in proportion, and its ing formidable bespeaks the greatest \$886,454 is far the largest total of carclessness. This is the epidemic of loss, being nearly \$300,000 greater fires from small electric home de- than the figures for New York. Ne-

to their surroundings. This is al- of preventability ranges high is true, been prevented. makes a showing of \$1,035,405, or ning rods. It is even more startling housekeeping.

included in these figures, which are Sparks from fires are another of paign, extending over years, or gen- were to lose this opportunity she thirty-eighth session of the Imperia those which are Partly Preventable, of the states show a loss of less in the order named. It is encourage for the year 1915, but explosions in the large items, with a total of \$4,- erations, if need be, that America would see a thousand years of regrets Diet, which convened on the 25th el some form or other are a constant 846,123. The lesson for fireproof can be weared from this national and repentances. China's ills are December, 1916, is expected to take which may safely be regarded as generally being found where natural ceed 1.0 per cent of fires from this menace in every state. New York construction is too obvious to require failing. again has the largest total with \$312,- comment. Under this heading the 871, but the percentage of Nevada, 7.8 worst showing is made by Mississper cent, is the highest, with Maine, ippi, 10.7 per cent; with Arkansas, 6.2 per cent, second, and New Mexi- 9.9 per cent, second; Florida, 8.8 per co, 4.7 per cent, third. Georgia, with cent, third, and Alabama, 8.7 per Most smokers would indignantly 0.2 per cent, seems to have been the cent, fourth. The Southern States at the American Consulate at Amster- first on the programme. Her silver official figures of the Department o thus appear to have been the lead- dam for the United States for the year standard should be changed to the Agriculture and Commerce of Japan ing sufferers. In Arizona the per- 1916 was \$37,070,830, being larger than gold standard. Her central bank the actually paid up capital which centage falls to .1 per cent, the best that of any previous year. The follow-

showing of any state. Exposure fires are divided into The layman might hardly expect during the last five years, together two clases-external and internal, to find a total of \$1,857,972 attrib- with the values of diamonds and to-External exposure is that of one uted to sparks from machinery, but building to another; internal ex- this has proved a serious item in posure is due to a fire starting in the some localities, notably in Texas, ve stock or premises of one tenant and where it caused damage of \$262,477. communicating to the premises of or 4.5 per cent. North Dakota, with

Unknown-Probably Largely Preventable

Per C State

.61.8 New Jersey.

53.2 Virginia

46.6 Alabama

43.0 Georgia

41.2 Louisiana

40.7 Kentucky

40.0 Washington

39.6 Missouri . 39.6 Tennessee

39.0 Colorado

38.4 Mississippi

37.4 New Mexico. .37.1 Ohio . . .36.7 Indiana

36.6 Vermont

35.6 Idaho ... 34.3 Arkansas

31.8 Connecticut

31.3 Oklahoma

21.5 Arizona

31.6 West Virginia

31.1 Nebraska 30.2 North Dakota 30.2 Utah 23.1 New Hampshire.

20.9 Nevada ..... 19.1 South Dakota

34.1 District of Columbia 32.7 California

37.9 Illinois

51.5 Florida

57.0 North Carolina. 55.7 Wyoming

45.1 South Carolina. 44.6 Pennsylvania. 43.4 New York....

Some people have supposed that

New York State, naturally, has the bustible material. Certain kinds of

The third division is that of "Unknown Causes," and, for obvious reasons, this cannot be subdivided. Fires so frequently burn up the evidence of their origin that this division probably can never fail to be a large one, but it would seem that loose reporting must account for the fact that 62.2 per cent, or nearly vices like smoothing irons and curl- vada reports only 0.6 per cent as due two-thirds of the entire fire loss in "Unknown" in origin. In contrast with this, South Dakota accounts for the origin of all but 17.2 per cent of its fires, and the average for the United States is 40.7 per cent. The with the current turned on, and for- A total of \$4,698,125 loss due to total is \$62,363,298. It cannot be become overheated and have set fire of human origin, but that the degree tion of this huge total might have

ready a serious peril to life and prop- nevertheless. Comparative statistics After such an analytical study it erty, and one that is highly inexcusa- between rodded and unrodded risks is hardly necessary to call attenshow that only a trifle over 7 per tion to the vast economic waste of Under electricity the largest total cent of this large total damage was fire and the shocking way in which lesses are those of California, which suffered by buildings having light- such figures discredit our national ceeded in percentage by Arizona, homa sustained 31.3 per cent of its ments and water supply systems where 30.4 per cent of all fire loss total fire damage from this single here and there, the lesson is con-Columbia, where the astonishing permakes the astonishing large oil storage tanks are struck by ple who take unnecessary chances is to be a great world market in the panies that the Japanese government as 0.0 per cent, their losses having his careful neighbors, if such there for Japan which enjoys special rela- the people of Japan. There is a wid The extraordinary damage from been less than one-twentieth of 1 be. It probably is only by a systions with China and a position of agitation for putting a complete stop tematic and patient educational cam- | vantage to be up and doing. If Japan to this heartrending farce. The

### EXPORTS FROM AMSTERDAM

ing table shows the comparative values bank of Japan; and her monetary type or another for the period of bacco, the chief articles exported to

1912, \$26,188,048 \$10,645,289 \$7,887,517 27,051,862 11,070,862 8,589,717 24,684,322 5,605,378 9,703,679 19.475.916 9.474.416 4.593.383

is practically the same as the com- America sincerely desires to invest hama, reports that railway traff bined value of the diamond exports to her money in China. I have even congestion was far greater than usa the United States from Amsterdam and heard that there is a plan afoot of in the closing week of 1916, probably Antwerp before the war, which has stationing a number of men to look on account of the increased commesuppressed the trade at Antwerp. How- into the investment conditions in cial and industrial activity in Japan ever, as prices are much higher now China for the benefit of the Amerias as a result of the war. "The Japa" than before the war, this combined can financial corporations. The Univalue presumably represents fewer ted States should, therefore, gladly at railway stations. diamonds than were formerly sent from respond to our solicitations for placboth Amsterdam and Antwerp.

The value of other important exports to the United States in 1916 were: Hides and skins, \$2,087,560; cocoa and its products, \$1,043,534; cinchona bark, \$962,941; quinine, \$536,933; seeds, \$319,816; rags, \$277,331; spices, \$178,811; paints, \$172,928; rubber, \$164,689, and bulbs, \$134,995. Report from Consul Frank W. Mahin.

In my judgment, it is vitally important that Japan should in China.

"Our financial leaders should take the initiative in this matter and persuade China to welcome the important to 28,200,000 test to 2

## Brazil's Sugar Industry

chief of the bureau of information of the Brazilian Department of Agricultican capitalists. The friendly co- AMERICAN EXPERTS FOR the United States Consulate General at operation between the United States Rio de Janeiro, estimated the total an- and Japan in China is not only the nual production at 300,000 tons, equiva- safest method for Japan and her inlent to 5,000,000 bags of 60 kilos (132 terest, but it is also the most helpful manufactured goods, especially in sec pounds) each, of which 666,000 bags are procedure for the economic develop- lines as metals, textiles, glasswith credited to Rio de Janeiro, 1,800,000 to ment of China herself." Pernambuco, 300,000 to Bahia and 2.-234,000 bags to the other states of the

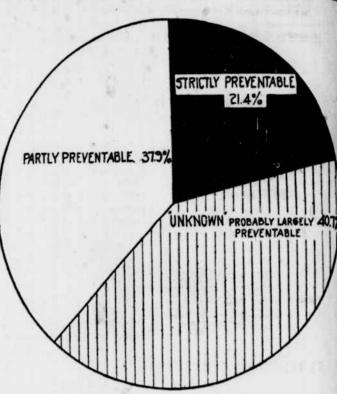
Norte, Parahyba, Pernambuco, Alagoas, year by distributing five million yen tire builders have been engage Sergipe, Bahia, Rio de Janeiro, Minas (about \$2,500,000 in gold) among its remedy any defects that may exist remedy and the second remedy and the second remedy and the second r Geraes, Sao Paulo and Santa Catharina.

There are 76 large mills in Pernambuco, 31 in Rio de Janeiro, 25 in Bahia, 20 in Sao Paulo and 15 in Sergipe. Indicate the United Santa Catharina of the wealthiest families in Osaka.

The Sumitomo family is one benefit of their knowledge to Australian manufacturers are suming producers of lead, copper of the Wealthiest families in Osaka.

The Sumitomo family is one benefit of their knowledge to Australian manufacturers are suming producers of lead, copper of lead, c 20 in Sao Paulo and 15 in Sergipe. Innumerable smaller establishments are scattered throughout the republic; in Pernambuco alone there are 1,500 of

ANNUAL



JEARLY one-quarter of the fire losses in the United States every year could be prevented if proper precautions were taken. This percentage would undoubtedly be increased materially if the causes of all the fires now classified as "unknown" were reported. The loss under "partly preventable" fires is placed at 37.9 per cent.

# JAPAN IS EAGER TO FINANCE CHINA

Baron Shibusawa Says Bankers of Nippon Welcome Opportunity to Join Hands with American Capitalists

By ADACHI KINNOSUKE

pertinent and interesting things to coining. At Yokohama the talk say on the investment of capital in that the Toyo Kisen steamers ma

China. He is quoted as follows: par excellence. At present China is Nippon Yusen, the largest steamship people are hard up and so is the gov- East, for that matter-earned inthe ernment. Both her domestic and for- last half year period at the rate of eign affairs are in a tangled and al- 48 per cent a year on its paid to many and grievous, but the worst of the matter up in its usual vociferous her troubles is financial. And our manner country should go to her rescue ahead

TO THE UNITED STATES of all the rest of the world. The total value of articles invoiced cial system of China should be the remarkable degree. According to the should be modelled upon the central went into mining enterprises of one system should be made uniform. All eleven menths from January to the these reforms call for a great deal of end of N wember, 1916, amounted to money. Japan should lead in the over 9,534,000 yen (about \$4,76%) work of inducing the countries of the | 000). In the entire year of 1915 col world in supplying China with the 5,970,000 yen, or about \$2,985,991 needed funds.

"Now, the United States to-day is so rich she is troubled in devising All such fires are assigned to this percentage, although smaller in ac- 1916.. 37,070,830 21,144,435 8,634,974 the ways and means of placing her The total value of diamonds for 1916 ever-increasing idle funds. To-day Consul M. D. Kirjassoff, of Year

portant that Japan should join the United States in her investment ac- traffic up to the United States in her investment activity in China—for America has the Exact figures of the output of sugar same desire to enter the Chinese field crease and amounted to 700,000 feet in Brazil are not available, but the as Japan. We should work this problem of the bursay of information of lem out hand-in-hand with the Amer-

A SONE of the signs of war prosrepublic.

The principal regions devoted to sugar are Maranhao, Rio Grande de family celebrated their profitable family celebrated their profitable the large glass factories in this characteristics.

A SONE of the signs of war proscording to a report from the American Consul General, from the United States, to take important positions it the large glass factories in this characteristics.

A SONE of the signs of war proscording to a report from the American Consul General, from the United States, to take important positions it the large glass factories in this characteristics. and is presided over by Baron Kichiand is presided over by Baron Kichi-zaemon Sumitomo. The family is the States to become familiar with Ase owner of the Sumitomo Bank and ican shop methods and to purchase many valuable copper mines.

The profit in copper has been he ARON SHIBUSAWA, in an in- in the year just past. But t terview published in the amount is small compared to t 'Hochi" (Tokio), has many money the shipping companies a \$150,000 clear profit every trip from

"China is Japan's investment field Hongkong to San Francisco. The desperate financial straits. The company in Japan-or in the Fa

f all the rest of the world.
"A radical reformation of the finan- T HE war had stimulated the minwas devoted to the same purpose.

### In Japan, Too

Chronicle" says it is reported that 400.

According to investigations made ht

The rate of increase in free traffic up to the end of November 15

### AUSTRALIAN INDUSTRIES There is a marked tendency toward

increasing Australia's production rubber tires, chemicals and drugs. this end forty expert glassworkers rived in Sydney a few weeks ago, a cording to a report from the America Consul General, from the Units